

IN THE CLAIMS

1 (Currently Amended). A method comprising:

over the lifetime of an organic light emitting device display, determining a first color gamut that a substantial portion of the sub-pixels of an expressed color of the organic light emitting device display are able to achieve;

adjusting the drive current to the sub-pixels to achieve the first color gamut;

subsequently determining that a substantial portion of said sub-pixels can no longer achieve said first color gamut;

over the lifetime of an organic light emitting device display, determining a second color gamut that a substantial portion of the sub-pixels of an expressed color of the organic light emitting device display are able to achieve even though they cannot achieve the first color gamut any longer; and

adjusting the drive current to the sub-pixels to achieve the second color gamut.

2 (Previously Presented). The method of claim 1 including determining a first color gamut that all of the subpixels of an expressed color gamut can achieve and adjusting the device current to achieve that color gamut.

Claim 3 (Canceled).

4 (Previously Presented). The method of claim 1 including maintaining said first color gamut substantially constant by mixing a first or second subpixel color with an expressed color pixel to adjust the color of the expressed color pixel.

5 (Previously Presented). The method of claim 1 including mixing colors of a tricolor color space to achieve said first color gamut.

6 (Currently Amended). An article comprising a medium storing instructions that, if executed, enable a processor-based system to:

over the lifetime of an organic light emitting device display, determine a first color gamut that a substantial portion of the sub-pixels of an expressed color of the organic light emitting device display are able to achieve;

adjust the drive current to the sub-pixels to achieve the first color gamut;

subsequently determine that a substantial portion of said sub-pixels can no longer achieve said first color gamut;

over the lifetime of an organic light emitting device display, determine a second color gamut that a substantial portion of the sub-pixels of an expressed color of the organic light emitting device display are able to achieve even though they cannot achieve the first color gamut any longer; and

adjust the drive current to the sub-pixels to achieve the second color gamut.

7 (Previously Presented). The article of claim 6 further storing instructions that enable the processor-based system to determine a first color gamut that all of the sub-pixels of an expressed color gamut can achieve and adjust the drive current to achieve that color gamut.

Claim 8 (Canceled).

9 (Original). The article of claim 6 further storing instructions that enable the processor-based system to maintain said gamut substantially constant by mixing a first or second sub-pixel color with an expressed color pixel to adjust the color of the expressed color pixel.

10 (Previously Presented). The article of claim 6 further storing instructions that enable the processor-based system to mix colors of a tri-color space to achieve said first color gamut.

11 (Currently Amended). An electrical system for an organic light emitting device display comprising:

a drive circuit to drive the pixels of said display;

a processor coupled to said drive circuit; and

a storage coupled to said processor, said storage storing instructions that enable the processor to, over the lifetime of the organic light emitting device display, determine a first color gamut that a substantial portion of the sub-pixels of an expressed color gamut of the organic light emitting device display are able to achieve, adjust the drive current to the sub-pixels to achieve that first color gamut, subsequently determine that a substantial portion of said sub-pixels can no longer achieve said first color gamut, determine a second color gamut that a substantial portion of the sub-pixels of an expressed color gamut of the organic light emitting device display are able to achieve even though they cannot achieve the first color gamut any longer, and adjust the drive current to the sub-pixels to achieve that second color gamut.

12 (Original). The system of claim 11 wherein said storage stores instructions that enable the system to determine a color gamut that all of the sub-pixels of an expressed color gamut can achieve and adjust the drive current to achieve that color gamut.

Claim 13 (Canceled).

14 (Original). The system of claim 11 wherein said storage stores instructions that enable the system to maintain the gamut substantially constant by mixing a first or second sub-pixel color with an expressed color pixel to adjust the color of the expressed color pixel.

15 (Original). The system of claim 10 wherein said storage stores instructions that enable the system to mix colors of a tri-color color space to achieve said color gamut.

16 (Currently Amended). A display comprising:

a plurality of organic light emitting sub-pixels of at least three colors;

a drive circuit to drive said sub-pixels to emit light;

a controller to control said drive circuit to, over the lifetime of the organic light emitting device display, determine a first color gamut that a substantial portion of the sub-pixels of an expressed color gamut of said display are able to achieve and adjust the drive current to the sub-pixels to achieve that first color gamut; and

subsequently determine that a substantial portion of said sub-pixels can no longer achieve said first color gamut; and

determine a second color gamut that a substantial portion of the sub-pixels of an expressed color gamut of said display are able to achieve and adjust the drive current to the sub-pixels to achieve that second color gamut even though they cannot achieve the first color gamut any longer.

17 (Original). The display of claim 16 wherein said sub-pixels include conjugated polymers.

18 (Original). The display of claim 16 wherein said sub-pixels include a film including small molecules.

19 (Original). The display of claim 16 wherein said display includes sub-pixels in the form of a stacked layer.

20 (Original). The display of claim 16 including a substrate wherein said sub-pixels are distributed side-by-side across said substrate.

21 (Original). The display of claim 16 wherein said controller determines a color gamut that all of the sub-pixels of an expressed color gamut can achieve and adjusts the drive current to achieve that color gamut.